

**ABSTRACT**

The present invention relates to a heart prosthesis/artificial heart comprising a series of drawing and pressing means and intended to be implanted in a patient to replace the pumping activity of a heart, whereby it comprises at least two compartment, substantially surrounded by rigid-wall provided house containing a number of drawing and/or pressing devices, which are partly fixedly attached to said rigid-wall provided house, partly fixedly attached to a flexible, elastic wall layer arranged in the respective compartment, whereby the drawing and/or pressing devices are arranged to draw said elastic wall layer towards said rigid-wall provided house for filling said compartments.